STICKING INHIBITOR AND HEAT-SENSITIVE TRANSFER RECORDING FILM

Patent number: JP10297123
Publication date: 1998-11-10
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Classification:
- international: ***B05D7/24; B32B27/00; B41J31/00; B41M5/40;*** **B05D7/24; B32B27/00; B41J31/00; B41M5/40;** (IPC1-7): B41M5/40; B05D7/24; B32B27/00; B41J31/00; B41M5/38
- european:
Application number: JP19970069134 19970305
Priority number(s): JP19970069134 19970305; JP19970062215 19970228

Abstract of **JP10297123**

PROBLEM TO BE SOLVED: To enable a heat-sensitive transfer recording film to have high lubricity and also to be free from the splash of a heat-sensitive ink or the generation of an interference with a transfer action by forming a sticking inhibiting layer composed of a polydimethyl siloxane block copolymer. SOLUTION: A polydimethyl siloxane block copolymer to be used for the sticking inhibiting layer of the heat-sensitive transfer recording film is composed of three parts such as (a<1> *a<2>)1 , a<1> * (a<1> *a<2>)m a<2> *(a<2> *a<2>)n . l, m, n are an integer of 1-10: a<1> is the polydimethyl siloxane part of the structure shown by formula (n is an integer of 1-50); and a<2> is a vinyl polymer part. When forming the sticking inhibiting layer, a solution of the polydimethyl siloxane block copolymer solved in an organic solvent is applied to the surface of a base film and then is dried. According to an experiment, a sheet on which the sticking inhibiting layer is formed demonstrates the favorable effect of the inhibitor which eliminates the splash of an ink, a sticking phenomenon and print irregularities.